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Application No.: 10/065,003 Docket NO.:8879-US-PA

Claim Amendment

Please amend the claims according to the following listing of claims and substitute it for all prior versions and listings of claims in the application.

1. (currently amended) A method of forming holes in a photoresist layer over a substrate, comprising the steps of:

exposing the photoresist layer to light through a photomask, wherein the photomask has a plurality of repeated rectangular patterns with inwardly reduced corners having at least a straight cutting side thereon; and

developing the photoresist layer to form holes.

- 2. (original) The method of claim 1, wherein after the step of developing the photoresist layer, further includes implanting ions into the substrate using the developed photoresist layer as a mask.
- 3. (currently amended) The method of claim ±2 wherein after the step of implanting ions into the substrate, further includes removing the photoresist layer.
- 4. (original) The method of claim 1, wherein the rectangular patterns with inwardly reduced corners on the photomask are suitable for exposing a positive photoresist layer.
- 5. (original) The method of claim 1, wherein the rectangular patterns with inwardly reduced corners comprises a cross-shape pattern.

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- 6. (original) The method of claim 1, wherein the rectangular patterns with inwardly reduced corners comprises a pattern with cut corners.
- 7. (original) A method of forming holes through a cross-shape image exposure, comprising the steps of:

forming a photoresist layer over a semiconductor substrate;

conducting an exposure using a photomask having a plurality of cross-shape patterns thereon;

developing the exposed photoresist layer to form a plurality of holes and exposing a portion of the dielectric layer; and

implanting ions into the semiconductor substrate using the developed photoresist layer as a mask.

- 8. (original) The method of claim 7, wherein after the step of implanting ions into the semiconductor substrate, further includes removing the photoresist layer.
- 9. (original) The method of claim 7, wherein the cross-shape patterns on the photomask are suitable for exposing a positive photoresist layer.
- 10. (original) A method of forming contact holes through a cross-shape image exposure, comprising the steps of:

forming a semiconductor device over a semiconductor substrate;

forming a conductive layer over the semiconductor substrate, wherein the conductive layer is electrically connected to the semiconductor device;

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forming a dielectric layer over the semiconductor substrate, wherein the dielectric layer covers the semiconductor device and the conductive layer;

forming a photoresist layer over the dielectric layer;

conducting a photo-exposure using a photomask having a plurality of cross-shape patterns thereon;

developing the photoresist layer to form a plurality of holes; and etching the dielectric layer using the developed photoresist layer as an etching mask to form a plurality of contact holes that exposes the conductive layer.

- 11. (original) The method of claim 10, wherein the cross-shape patterns on the photomask are suitable for exposing a positive photoresist layer.
- 12. (original) The method of claim 10, wherein after the step of etching the dielectric layer, further includes removing the photoresist layer.
- 13. (original) The method of claim 10, wherein after the step of forming a dielectric layer over the semiconductor substrate, further includes planarizing the dielectric layer.

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